

FILE 'HOME' ENTERED AT 11:55:00 ON 27 FEB 2008

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.68	1.68

SESSION WILL BE HELD FOR 120 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 11:59:40 ON 27 FEB 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTACEH1615

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'HOME' AT 12:14:05 ON 27 FEB 2008  
FILE 'HOME' ENTERED AT 12:14:05 ON 27 FEB 2008

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.68	1.68

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.68	1.68

FILE 'REGISTRY' ENTERED AT 12:14:15 ON 27 FEB 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 FEB 2008 HIGHEST RN 1005451-11-5  
DICTIONARY FILE UPDATES: 26 FEB 2008 HIGHEST RN 1005451-11-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=> e methacryoxyethyl phosphate

```
E1      6  METHACRYOXY/BI
E2      3  METHACRYOXYETHYL/BI
E3      0 --> METHACRYOXYETHYL PHOSPHATE/BI
E4      2  METHACRYOXYETHYLPHENYL/BI
E5      3  METHACRYOXYPROPYL/BI
E6      2  METHACRYOXYPROPYLTRI/BI
E7      1  METHACRYOXYPROPYLTRIETH/BI
E8      1  METHACRYOXYPROPYLTRIETHOXY/BI
E9      1  METHACRYOXYPROPYLTRIETHOXSILANE/BI
E10     1  METHACRYOXYPROPYLTRIMETH/BI
E11     1  METHACRYOXYPROPYLTRIMETHOXY/BI
E12     1  METHACRYOXYPROPYLTRIMETHOXSILANE/BI
```

=> e methacryloxyethyl phosphate

```
E1      4  METHACRYLOXYETHOXYPROPYLTRIS/BI
E2     326  METHACRYLOXYETHYL/BI
E3      0 --> METHACRYLOXYETHYL PHOSPHATE/BI
E4      2  METHACRYLOXYETHYLAMMON/BI
E5      2  METHACRYLOXYETHYLAMMONIUM/BI
E6      1  METHACRYLOXYETHYLCARBO/BI
E7      1  METHACRYLOXYETHYLCARBOMETH/BI
E8      1  METHACRYLOXYETHYLCARBOMETHOXY/BI
E9      1  METHACRYLOXYETHYLCARBOMETHOXYMETHYL/BI
E10     1  METHACRYLOXYETHYLCARBOMETHOXYMETHYLDI/BI
E11     1  METHACRYLOXYETHYLCARBOMETHOXYMETHYLDIMETHYL/BI
E12     1  METHACRYLOXYETHYLCARBOMETHOXYMETHYLDIMETHYLAMMON/BI
```

=> e methacryloxyethylphosphate

```
E1      1  METHACRYLOXYETHYLMONOTETRABROMOPHTHALATE/BI
E2     52  METHACRYLOXYETHYLPHENYL/BI
E3      0 --> METHACRYLOXYETHYLPHOSPHATE/BI
E4      1  METHACRYLOXYETHYLPROPARG/BI
E5      1  METHACRYLOXYETHYLPROPARGYL/BI
E6      1  METHACRYLOXYETHYLPROPARGYLDI/BI
E7      1  METHACRYLOXYETHYLPROPARGYLDIMETHYL/BI
E8      1  METHACRYLOXYETHYLPROPARGYLDIMETHYLAMMON/BI
E9      1  METHACRYLOXYETHYLPROPARGYLDIMETHYLAMMONIUM/BI
E10     1  METHACRYLOXYETHYLSULFONIC/BI
E11     43  METHACRYLOXYETHYLTRI/BI
E12     6  METHACRYLOXYETHYLTRIMELLITIC/BI
```

=> e methacryloxyethylphosphate/cn

```
E1      1  METHACRYLOXYETHYLHYDROGEN BUTYLSULFOSUCCINATE/CN
E2      1  METHACRYLOXYETHYLMONOTETRABROMOPHTHALATE/CN
E3      0 --> METHACRYLOXYETHYLPHOSPHATE/CN
E4      1  METHACRYLOXYETHYLTRIMETHOXSILANE-TRIALLYL CYANURATE COPOLYMER/CN
E5      1  METHACRYLOXYETHYLTRIMETHYL AMMONIUM CHLORIDE-METHYL METHACRYLATE COPOLYMER/CN
E6      1  METHACRYLOXYETHYLTRIMETHYLAMMONIUM BROMIDE HOMOPOLYMER/CN
E7      1  METHACRYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN
E8      1  METHACRYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-POLYETHYLENE GLYCOL MONOMETHYL ETHER METHACRYLATE COPOLYMER/CN
E9      1  METHACRYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-POLYETHYLENE GLYCOL MONOMETHYL ETHER MONOMETHACRYLATE COPOLYMER/CN
E10     1  METHACRYLOXYETHYLTRIMETHYLAMMONIUM METHYLSULFATE/CN
E11     1  METHACRYLOXYETHYLTRIMETHYLAMMONIUM METHYLSULFATE POLYMER/CN
E12     1  METHACRYLOXYISOPROPYL ACID SULFOPHTHALATE/CN
```

```
=> e methacryloxyethyl phosphate/cn
E1      1      METHACRYLOYDIDIMETHYLSILANE/CN
E2      1      METHACRYLOYETHYL HYDROGEN SULFOMETHYLSUCCINATE/CN
E3      0 -->  METHACRYLOYETHYL PHOSPHATE/CN
E4      1      METHACRYLOYETHYL PHTHALATE/CN
E5      1      METHACRYLOYETHYLDIMETHYLOCTYLAMMONIUM BROMIDE-POLYETHYLENE
          GLYCOL ETHYL ETHER METHACRYLATE-TETRAETHYLENE GLYCOL DIMETHA
          CRYLATE COPOLYMER/CN
E6      1      METHACRYLOYETHYLHYDROGEN BUTYLSULFOSUCCINATE/CN
E7      1      METHACRYLOYETHYLMONOTETRABROMOPHTHALATE/CN
E8      1      METHACRYLOYETHYLTRIMETHOXYISILANE-TRIALLYL CYANURATE COPOLYM
          ER/CN
E9      1      METHACRYLOYETHYLTRIMETHYL AMMONIUM CHLORIDE-METHYL METHACRY
          LATE COPOLYMER/CN
E10     1      METHACRYLOYETHYLTRIMETHYLAMMONIUM BROMIDE HOMOPOLYMER/CN
E11     1      METHACRYLOYETHYLTRIMETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN
E12     1      METHACRYLOYETHYLTRIMETHYLAMMONIUM CHLORIDE-POLYETHYLENE GLY
          COL MONOMETHYL ETHER METHACRYLATE COPOLYMER/CN

=> e 2-(phosphonooxy)ethyl methacrylate/cn
E1      1      2-(PHOSPHONOMETHYL)PENTANEDIOIC ACID/CN
E2      1      2-(PHOSPHONOOXY) BENZOIC ACID/CN
E3      0 -->  2-(PHOSPHONOOXY)ETHYL METHACRYLATE/CN
E4      1      2-(PHOSPHONOTHIO)ETHYL TRICHLOROACETATE/CN
E5      1      2-(PHOSPHORANYLIDENE)ACETAMIDE/CN
E6      1      2-(PHTHALIMIDO) ISOBUTYRYL CHLORIDE/CN
E7      1      2-(PHTHALIMIDO-METHYL) BENZALDEHYDE/CN
E8      1      2-(PHTHALIMIDOACETAMIDO)-5-CHLOROBENZOPHENONE/CN
E9      1      2-(PHTHALIMIDOCARBONYLAMINO)-4-(3-(1,1,1-TRIHYDROPERFLUOROU
          NDECYL)UREIDO)TOLUENE/CN
E10     1      2-(PHTHALIMIDOETHYL) PHOSPHONIC ACID/CN
E11     1      2-(PHTHALIMIDOMETHYL)-1,3-BUTADIENE/CN
E12     1      2-(PHTHALIMIDOMETHYL)-1-(DIPHENYLMETHOXY)-5-(P-METHOXYBENZYL
          OXY)-4-PYRIDONE/CN
```

```
=>
Uploading C:\Program Files\STNEXP\Queries\moep.str
```



```
chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13
chain bonds :
1-2 2-12 2-3 3-4 3-11 4-5 5-13 6-13 6-7 7-8 7-10 7-9
exact/norm bonds :
3-4 3-11 6-7
exact bonds :
1-2 2-12 2-3 4-5 5-13 6-13
normalized bonds :
7-8 7-10 7-9
```

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS 11:CLASS 12:CLASS 13:CLASS

L1 STRUCTURE UPLOADED

=> s l1 fam sam

SAMPLE SEARCH INITIATED 12:32:38 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 152 TO ITERATE

100.0% PROCESSED 152 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 2301 TO 3779

PROJECTED ANSWERS: 1606 TO 2874

L2 50 SEA FAM SAM L1

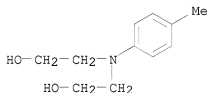
=> d scan

L2 50 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN 11,14-Dioxo-2,9-diazaheptadec-16-enoic acid, 4,4,6,16-tetramethyl-10,15-dioxo-, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester, polymer with 1,2-ethanediylbis(oxy-2,1-ethanediyl) bis(2-methyl-2-propenoate), 2-hydroxyethyl 2-methyl-2-propenoate, 3-hydroxypropyl 2-methyl-2-propenoate, phosphonicobis(oxy-2,1-ethanediyl) bis(2-methyl-2-propenoate) and 2-(phosphonooxy)ethyl 2-methyl-2-propenoate, compd. with 2,2'-[(4-methylphenyl)imino]bis[ethanol] (9CI)

MF (C23 H38 N2 O8 . C14 H22 O6 . C12 H19 O8 P . C7 H12 O3 . C6 H11 O6 P . C6 H10 O3)x . x C11 H17 N O2

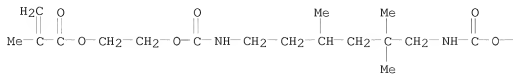
CM 1



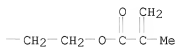
CM 2

CM 3

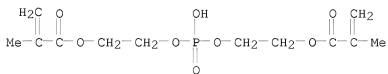
PAGE 1-A



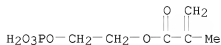
PAGE 1-B



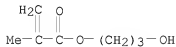
CM 4



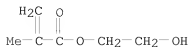
CM 5



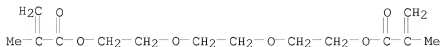
CM 6



CM 7



CM 8



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l1 fam full  
 FULL SEARCH INITIATED 12:34:24 FILE 'REGISTRY'  
 FULL SCREEN SEARCH COMPLETED - 3125 TO ITERATE

100.0% PROCESSED 3125 ITERATIONS 2274 ANSWERS  
 SEARCH TIME: 00.00.01

L3 2274 SEA FAM FUL L1

=> s l3 and (py<2004 or ay<2004 or pry<2004)  
 '2004' NOT A VALID FIELD CODE  
 '2004' NOT A VALID FIELD CODE  
 '2004' NOT A VALID FIELD CODE

0 PY<2004  
 0 AY<2004  
 0 PRY<2004

L4 0 L3 AND (PY<2004 OR AY<2004 OR PRY<2004)

=> s l1 fam sam  
 SAMPLE SEARCH INITIATED 12:36:05 FILE 'REGISTRY'  
 SAMPLE SCREEN SEARCH COMPLETED - 152 TO ITERATE

100.0% PROCESSED 152 ITERATIONS 50 ANSWERS  
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
 BATCH \*\*COMPLETE\*\*  
 PROJECTED ITERATIONS: 2301 TO 3779  
 PROJECTED ANSWERS: 1606 TO 2874

L5 50 SEA FAM SAM L1

=> d l2 hit

L2 ANSWER 1 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN

=> d l2

L2 ANSWER 1 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 1001325-95-6 REGISTRY  
 ED Entered STN: 01 Feb 2008  
 CN 5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo-,  
 2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl ester, polymer with

1,1'-(2-hydroxy-1,3-propanediyl) bis(2-methyl-2-propenoate) and  
2-(phosphonoxy)ethyl 2-methyl-2-propenoate (CA INDEX NAME)

MF (C15 H12 O7 . C11 H16 O5 . C6 H11 O6 P)x

CI PMS

PCT Polyacrylic

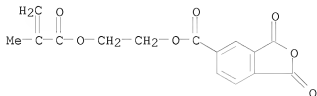
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 70293-55-9

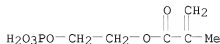
CMF C15 H12 O7



CM 2

CRN 24599-21-1

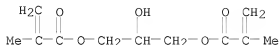
CMF C6 H11 O6 P



CM 3

CRN 1830-78-0

CMF C11 H16 O5



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 12 2-10

L2 ANSWER 2 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN

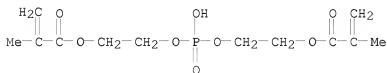
RN 958874-04-9 REGISTRY

ED Entered STN: 19 Dec 2007

CN Butanoic acid, 3-oxo-, 2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl ester,  
 polymer with 2-hydroxyethyl 2-methyl-2-propenoate, 1,1'-  
 [phosphinicobis(oxy-2,1-ethanediyl)] bis(2-methyl-2-propenoate) and  
 2-(phosphonoxy)ethyl 2-methyl-2-propenoate (CA INDEX NAME)  
 MF (C12 H19 O8 P . C10 H14 O5 . C6 H11 O6 P . C6 H10 O3)x  
 CI PMS  
 PCT Polyacrylic  
 SR CA  
 LC STN Files: CA, CAPLUS

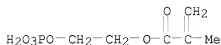
CM 1

CRN 32435-46-4  
 CMF C12 H19 O8 P



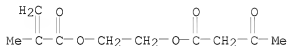
CM 2

CRN 24599-21-1  
 CMF C6 H11 O6 P



CM 3

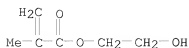
CRN 21282-97-3  
 CMF C10 H14 O5



CM 4

CRN 868-77-9  
 CMF C6 H10 O3





1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 957143-06-5 REGISTRY  
ED Entered STN: 07 Dec 2007  
CN 2-Propenoic acid, 2-methyl-, 2-[(1,2-dioxopropyl)methylamino]ethyl ester,  
polymer with butyl 2-propenoate, ethenylbenzene, 2-ethylhexyl  
2-propenoate, methyl 2-methyl-2-propenoate, N,N'-1,8-  
octanediylbis[hydrazinecarboxamide] and 2-(phosphonooxy)ethyl  
2-methyl-2-propenoate, compd. with N,N-diethylethanolamine (CA INDEX NAME)  
MF (C11 H20 O2 . C10 H24 N6 O2 . C10 H15 N O4 . C8 H8 . C7 H12 O2 . C6 H11 O6  
P . C5 H8 O2)x . x C6 H15 N  
PCT Polyacrylic, Polyether, Polystyrene  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

CRN 121-44-8  
CMF C6 H15 N

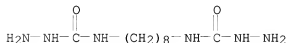


CM 2

CRN 957143-05-4  
CMF (C11 H20 O2 . C10 H24 N6 O2 . C10 H15 N O4 . C8 H8 . C7 H12 O2 . C6  
H11 O6 P . C5 H8 O2)x  
CCI PMS

CM 3

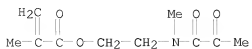
CRN 957143-01-0  
CMF C10 H24 N6 O2



CM 4

CRN 881910-54-9

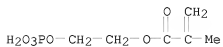
CMF C10 H15 N O4



CM 5

CRN 24599-21-1

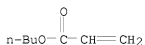
CMF C6 H11 O6 P



CM 6

CRN 141-32-2

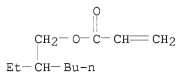
CMF C7 H12 O2



CM 7

CRN 103-11-7

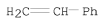
CMF C11 H20 O2



CM 8

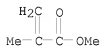
CRN 100-42-5

CMF C8 H8



CM 9

CRN 80-62-6  
CMF C5 H8 O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 952137-12-1 REGISTRY  
ED Entered STN: 31 Oct 2007  
CN 2-Propenoic acid, 2-methyl-, butyl ester, polymer with butyl 2-propenoate, 2-(dimethylamino)ethanol compd. with 2-(phosphonooxy)ethyl 2-methyl-2-propenoate (2:1), ethenylbenzene and Latemul PD 104 (CA INDEX NAME)  
OTHER NAMES:  
CN Butyl acrylate-butyl methacrylate-Latemul PD 104-2-phosphoxyethyl methacrylate 2-(N,N-dimethylamino)ethanol salt (1:2)-styrene copolymer  
MF (C8 H14 O2 . C8 H8 . C7 H12 O2 . C6 H11 O6 P . 2 C4 H11 N O . Unspecified)x  
CI PMS  
PCT Manual component, Polyacrylic, Polyether, Polystyrene  
SR CA  
LC STN Files: CA, CAPLUS

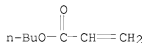
CM 1

CRN 577974-49-3  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

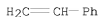
CM 2

CRN 141-32-2  
CMF C7 H12 O2



CM 3

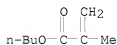
CRN 100-42-5  
CMF C8 H8



CM 4

CRN 97-88-1

CMF C8 H14 O2



CM 5

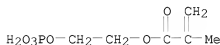
CRN 952137-11-0

CMF C6 H11 O6 P . 2 C4 H11 N O

CM 6

CRN 24599-21-1

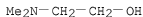
CMF C6 H11 O6 P



CM 7

CRN 108-01-0

CMF C4 H11 N O



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN

RN 949106-03-0 REGISTRY

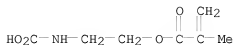
ED Entered STN: 03 Oct 2007

CN 2-Propenoic acid, 2-methyl-, 2-[2-[2-(2-hydroxyethoxy)ethoxy]ethoxy]ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone and  $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -(phosphonooxy)poly(oxy-1,2-ethanediyl), N-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]carbamate (ester), graft (CA INDEX NAME)

MF (C12 H22 O6 . C6 H9 N O . (C2 H4 O)n C4 H7 O5 P)x . x C7 H11 N O4  
 PCT Polyacrylic, Polyether, Polyvinyl  
 SR CA  
 LC STN Files: CA, CAPLUS

CM 1

CRN 96571-20-9  
 CMF C7 H11 N O4

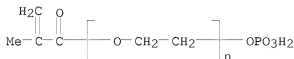


CM 2

CRN 949106-02-9  
 CMF (C12 H22 O6 . C6 H9 N O . (C2 H4 O)n C4 H7 O5 P)x  
 CCI PMS

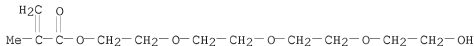
CM 3

CRN 35705-94-3  
 CMF (C2 H4 O)n C4 H7 O5 P  
 CCI PMS



CM 4

CRN 21217-75-4  
 CMF C12 H22 O6



CM 5

CRN 88-12-0  
 CMF C6 H9 N O

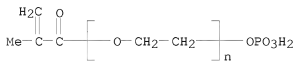


1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 949105-94-6 REGISTRY  
ED Entered STN: 03 Oct 2007  
CN 2-Propenoic acid, sodium salt (1:1), polymer with ethenol and  
α-(2-methyl-1-oxo-2-propen-1-yl)-ω-(phosphonooxy)poly(oxy-1,2-  
ethanedithiol), graft (CA INDEX NAME)  
MF (C3 H4 O2 . (C2 H4 O)n C4 H7 O5 P . C2 H4 O . Na)x  
CI PMS, COM  
PCT Polyacrylic, Polyether, Polyvinyl  
SR CA

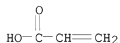
CM 1

CRN 35705-94-3  
CMF (C2 H4 O)n C4 H7 O5 P  
CCI PMS



CM 2

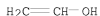
CRN 7446-81-3 (79-10-7)  
CMF C3 H4 O2 . Na



● Na

CM 3

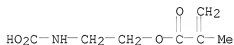
CRN 557-75-5  
CMF C2 H4 O



L2 ANSWER 7 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 949105-43-5 REGISTRY  
 ED Entered STN: 03 Oct 2007  
 CN 2-Propenoic acid, 2-methyl-, 2-[2-[2-(2-hydroxyethoxy)ethoxy]ethoxy]ethyl ester, polymer with 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonic acid and  $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\alpha$ -(phosphonooxy)poly(oxy-1,2-ethanediyl), N-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]carbamate (ester), graft (CA INDEX NAME)  
 MF (C12 H22 O6 . C7 H13 N O4 S . (C2 H4 O)n C4 H7 O5 P)x . x C7 H11 N O4  
 PCT Polyacrylic, Polyether  
 SR CA  
 LC STN Files: CA, CAPLUS

CM 1

CRN 96571-20-9  
 CMF C7 H11 N O4

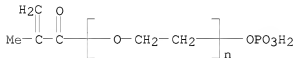


CM 2

CRN 949105-42-4  
 CMF (C12 H22 O6 . C7 H13 N O4 S . (C2 H4 O)n C4 H7 O5 P)x  
 CCI PMS

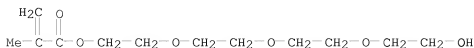
CM 3

CRN 35705-94-3  
 CMF (C2 H4 O)n C4 H7 O5 P  
 CCI PMS



CM 4

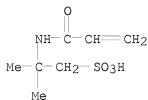
CRN 21217-75-4  
 CMF C12 H22 O6



CM 5

CRN 15214-89-8

CMF C7 H13 N O4 S



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 8 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN

RN 947591-46-0 REGISTRY

ED Entered STN: 20 Sep 2007

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with  
N-(aminocarbonyl)-2-methyl-2-propenamide, butyl 2-propenoate, 2-ethylhexyl  
2-propenoate, 2-methyl-2-propenoic acid and 2-(phosphonoxy)ethyl  
2-methyl-2-propenoate (CA INDEX NAME)

MF (C11 H20 O2 . C7 H12 O2 . C6 H11 O6 P . C5 H8 N2 O2 . C5 H8 O2 . C4 H6  
O2)x

CI PMS, COM

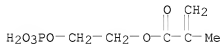
PCT Polyacrylic

SR CA

CM 1

CRN 24599-21-1

CMF C6 H11 O6 P

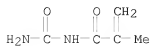


CM 2

CRN 20602-83-9

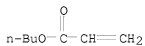
CMF C5 H8 N2 O2





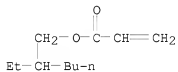
CM 3

CRN 141-32-2  
CMF C7 H12 O2



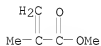
CM 4

CRN 103-11-7  
CMF C11 H20 O2



CM 5

CRN 80-62-6  
CMF C5 H8 O2



CM 6

CRN 79-41-4  
CMF C4 H6 O2



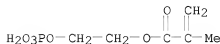
L2 ANSWER 9 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 946506-99-6 REGISTRY  
 ED Entered STN: 10 Sep 2007  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate  
 and 2-(phosphonooxy)ethyl 2-methyl-2-propenoate, ammonium salt (CA INDEX  
 NAME)  
 OTHER NAMES:  
 CN Butyl acrylate-methyl methacrylate-2-phosphoethyl methacrylate copolymer  
 ammonium salt  
 MF (C7 H12 O2 . C6 H11 O6 P . C5 H8 O2)x . x H3 N  
 PCT Polyacrylic  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 113655-02-0  
 CMF (C7 H12 O2 . C6 H11 O6 P . C5 H8 O2)x  
 CCI PMS

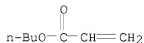
CM 2

CRN 24599-21-1  
 CMF C6 H11 O6 P



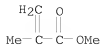
CM 3

CRN 141-32-2  
 CMF C7 H12 O2



CM 4

CRN 80-62-6  
 CMF C5 H8 O2

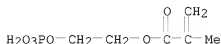


2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 10 OF 50 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 946389-71-5 REGISTRY  
ED Entered STN: 07 Sep 2007  
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate, oxirane, phenylmethyl 2-methyl-2-propenoate and 2-(phosphonoxy)ethyl 2-methyl-2-propenoate, graft (CA INDEX NAME)  
MF (C11 H12 O2 . C8 H14 O2 . C6 H11 O6 P . C6 H10 O3 . C4 H6 O2 . C2 H4 O)x  
CI PMS, COM  
PCT Polyacrylic, Polyether, Polyether formed  
SR CA

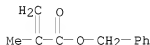
CM 1

CRN 24599-21-1  
CMF C6 H11 O6 P



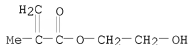
CM 2

CRN 2495-37-6  
CMF C11 H12 O2



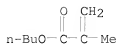
CM 3

CRN 868-77-9  
CMF C6 H10 O3



CM 4

CRN 97-88-1  
CMF C8 H14 O2



CM 5

CRN 79-41-4

CMF C4 H6 O2



CM 6

CRN 75-21-8

CMF C2 H4 O



=>

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chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14

chain bonds :

1-2 2-12 2-3 3-4 3-11 4-5 5-13 6-7 6-14 7-8 7-10 7-9 13-14

exact/norm bonds :

3-4 3-11 6-7

exact bonds :

1-2 2-12 2-3 4-5 5-13 6-14 13-14

normalized bonds :

7-8 7-10 7-9

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS

10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS

L6 STRUCTURE UPLOADED

=> s l6 fam sam

SAMPLE SEARCH INITIATED 12:41:41 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 39 TO ITERATE

100.0% PROCESSED 39 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 406 TO 1154

PROJECTED ANSWERS: 0 TO 0

L7 0 SEA FAM SAM L6

=> s l6 fam full

FULL SEARCH INITIATED 12:41:52 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 728 TO ITERATE

100.0% PROCESSED 728 ITERATIONS

28 ANSWERS

SEARCH TIME: 00.00.01

L8 28 SEA FAM FUL L6

=> d l8 1-5

L8 ANSWER 1 OF 28 REGISTRY COPYRIGHT 2008 ACS on STN

RN 613667-64-4 REGISTRY

ED Entered STN: 07 Nov 2003

CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with  
2-hydroxyethyl 2-methyl-2-propenoate and 3-(phosphonoxy)propyl  
2-methyl-2-propenoate (9CI) (CA INDEX NAME)

MF (C10 H14 O4 . C7 H13 O6 P . C6 H10 O3)x

CI PMS

PCT Polyacrylic

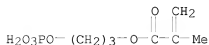
SR CA

LC STN Files: CA, CAPLUS

CM 1

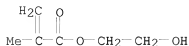
CRN 82427-01-8

CMF C7 H13 O6 P



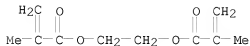
CM 2

CRN 868-77-9  
CMF C6 H10 O3



CM 3

CRN 97-90-5  
CMF C10 H14 O4

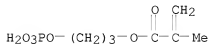


1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 2 OF 28 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 452964-00-0 REGISTRY  
ED Entered STN: 19 Sep 2002  
CN 11,14-Dioxo-2,9-diazaheptadec-16-enoic acid, 4,4,6,16(or  
4,6,6,16)-tetramethyl-10,15-dioxo-, 2-[(2-methyl-1-oxo-2-  
propenyl)oxy]ethyl ester, polymer with 3-(phosphonooxy)propyl  
2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
MF (C23 H38 N2 O8 . C7 H13 O6 P)x  
CI PMS  
PCT Polyacrylic  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

CM 1

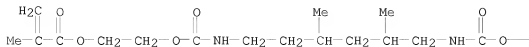
CRN 82427-01-8  
CMF C7 H13 O6 P



CM 2

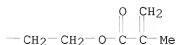
CRN 72869-86-4  
CMF C23 H38 N2 O8  
CCI IDS

PAGE 1-A



D1-Me

PAGE 1-B



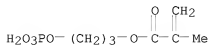
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 3 OF 28 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 444189-98-4 REGISTRY  
ED Entered STN: 19 Aug 2002  
CN 2-Propenoic acid, 2-methyl-, ethyl ester, polymer with ethyl 2-propenoate,  
2-hydroxyethyl 2-methyl-2-propenoate and 3-(phosphonoxy)propyl  
2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
MF (C7 H13 O6 P . C6 H10 O3 . C6 H10 O2 . C5 H8 O2)x  
CI PMS  
PCT Polyacrylic  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 82427-01-8

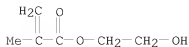
CMF C7 H13 O6 P



CM 2

CRN 868-77-9

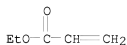
CMF C6 H10 O3



CM 3

CRN 140-88-5

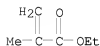
CMF C5 H8 O2



CM 4

CRN 97-63-2

CMF C6 H10 O2



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 4 OF 28 REGISTRY COPYRIGHT 2008 ACS on SIN

RN 212055-81-7 REGISTRY

ED Entered SIN: 01 Oct 1998

CN 11,14-Dioxo-2,9-diazaheptadec-16-enoic acid, 4,4,6,16(or 4,6,6,16)-tetramethyl-10,15-dioxo-, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester, polymer with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide and 3-(phosphonooxy)propyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2,4,11,13-Tetraazatetradecanediimidamide, N,N''-bis(4-chlorophenyl)-3,12-diimino-, polymer with 3-(phosphonooxy)propyl 2-methyl-2-propenoate and 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diyl bis(2-methyl-2-propenoate) (9CI)

CN 2-Propenoic acid, 2-methyl-, 3-(phosphonooxy)propyl ester, polymer with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide and 7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diyl bis(2-methyl-2-propenoate) (9CI)

MF (C23 H38 N2 O8 . C22 H30 Cl2 N10 . C7 H13 O6 P)x

CI PMS

PCT Polyacrylic, Polyether

SR CA

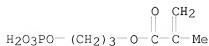
LC SIN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 82427-01-8

CMF C7 H13 O6 P





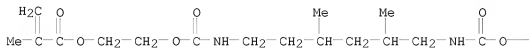
CM 2

CRN 72869-86-4

CMF C23 H38 N2 O8

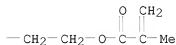
CCI IDS

PAGE 1-A



D1-Me

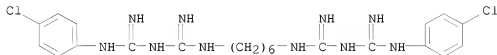
PAGE 1-B



CM 3

CRN 55-56-1

CMF C22 H30 Cl2 N10



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 5 OF 28 REGISTRY COPYRIGHT 2008 ACS on STN

RN 149234-77-5 REGISTRY

ED Entered STN: 11 Aug 1993

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with methyl  
2-propenoate and 3-(phosphonoxy)propyl 2-methyl-2-propenoate, block (9CI)  
(CA INDEX NAME)

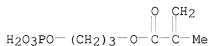
OTHER CA INDEX NAMES:

CN 2-Propenoic acid, 2-methyl-, 3-(phosphonoxy)propyl ester, polymer with

methyl 2-methyl-2-propenoate and methyl 2-propenoate, block (9CI)  
 CN 2-Propenoic acid, methyl ester, polymer with methyl 2-methyl-2-propenoate  
 and 3-(phosphonoxy)propyl 2-methyl-2-propenoate, block (9CI)  
 MF (C7 H13 O6 P . C5 H8 O2 . C4 H6 O2)x  
 CI PMS  
 PCT Polyacrylic  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

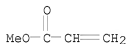
CM 1

CRN 82427-01-8  
 CMF C7 H13 O6 P



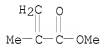
CM 2

CRN 96-33-3  
 CMF C4 H6 O2



CM 3

CRN 80-62-6  
 CMF C5 H8 O2



3 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

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```

chain nodes :
 1  2  3  4  5  6  7  8  9 10 11 12 13 14 15
chain bonds :
1-2 2-12 2-3 3-4 3-11 4-5 5-13 6-7 6-15 7-8 7-10 7-9 13-14 14-15
exact/norm bonds :
3-4 3-11 6-7
exact bonds :
1-2 2-12 2-3 4-5 5-13 6-15 13-14 14-15
normalized bonds :
7-8 7-10 7-9

```

```

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS

```

L9 STRUCTURE UPLOADED

```

=> s l9 fam sam
SAMPLE SEARCH INITIATED 12:43:31 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 12 TO ITERATE

```

```

100.0% PROCESSED      12 ITERATIONS      0 ANSWERS
SEARCH TIME: 00.00.01

```

```

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH  **COMPLETE**
PROJECTED ITERATIONS:   33 TO    447
PROJECTED ANSWERS:      0 TO    0

```

L10 0 SEA FAM SAM L9

```

=> s l9 fam full
FULL SEARCH INITIATED 12:43:37 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 349 TO ITERATE

```

```

100.0% PROCESSED      349 ITERATIONS     10 ANSWERS
SEARCH TIME: 00.00.01

```

L11 10 SEA FAM FUL L9

=> d 1

```

L11 ANSWER 1 OF 10  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   870774-64-4  REGISTRY
ED   Entered STN:  29 Dec 2005
CN   Poly(oxy-1,4-butanediyl),  $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\phi$ -
      (phosphonooxy)-, polymer with ethenylbenzene, Macromonomer AS 6S and

```

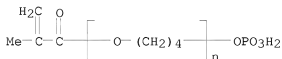
$\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ -hydroxypoly[oxy(methyl-1,2-ethanediyl)], graft, sodium salt (9CI) (CA INDEX NAME)  
 MF (C8 H8 . (C4 H8 O)n C4 H7 O5 P . (C3 H6 O)n C4 H6 O2 . Unspecified)x . x Na  
 PCT Manual component, Manual registration, Polyacrylic, Polyether, Polyother, Polystyrene  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 870774-59-7  
 CMF (C8 H8 . (C4 H8 O)n C4 H7 O5 P . (C3 H6 O)n C4 H6 O2 . Unspecified)x  
 CCI PMS

CM 2

CRN 870774-57-5  
 CMF (C4 H8 O)n C4 H7 O5 P  
 CCI PMS



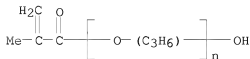
CM 3

CRN 262418-17-7  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 4

CRN 39420-45-6  
 CMF (C3 H6 O)n C4 H6 O2  
 CCI IDS, PMS



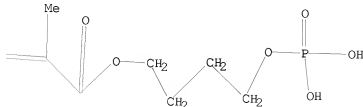
CM 5

CRN 100-42-5  
 CMF C8 H8



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 19  
L9 HAS NO ANSWERS  
L9 STR



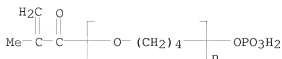
Structure attributes must be viewed using STN Express query preparation.

=> d 111 2-5

L11 ANSWER 2 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 870774-59-7 REGISTRY  
ED Entered STN: 29 Dec 2005  
CN Poly(oxy-1,4-butanediyl),  $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ -(phosphonooxy)-, polymer with ethenylbenzene, Macromonomer AS 6S and  $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ -hydroxypoly[oxy(methyl-1,2-ethanediyl)], graft (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Macromonomer AS 6S-polypropylene glycol monomethacrylate-poly(tetramethylene glycol) monomethacrylate monophosphate-styrene graft copolymer  
MF (C8 H8 . (C4 H8 O)n C4 H7 O5 P . (C3 H6 O)n C4 H6 O2 . Unspecified)x  
CI PMS, COM  
PCT Manual component, Polyacrylic, Polyether, Polyether, Polystyrene  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 870774-57-5  
CMF (C4 H8 O)n C4 H7 O5 P  
CCI PMS



CM 2

CRN 262418-17-7

CMF Unspecified

CCI PMS, MAN

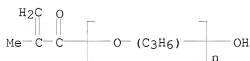
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 3

CRN 39420-45-6

CMF (C3 H6 O)n C4 H6 O2

CCI IDS, PMS



CM 4

CRN 100-42-5

CMF C8 H8



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 3 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN

RN 870774-57-5 REGISTRY

ED Entered STN: 29 Dec 2005

CN Poly(oxy-1,4-butanediyl),  $\alpha$ -(2-methyl-1-oxo-2-propenyl)- $\omega$ -(phosphonooxy)- (9CI) (CA INDEX NAME)

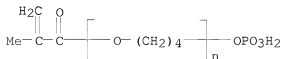
MF (C4 H8 O)n C4 H7 O5 P

CI PMS, COM

PCT Polyether

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



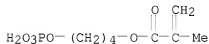
1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 4 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 305828-36-8 REGISTRY  
 ED Entered STN: 01 Dec 2000  
 CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with diethenylbenzene, ethenylbenzene, 2-methyl-2-propenoyl isocyanate, 2-methylpropyl 2-methyl-2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and 4-(phosphonoxy)butyl 2-methyl-2-propenoate, graft (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with diethenylbenzene, ethenylbenzene, methyl 2-methyl-2-propenoate, 2-methyl-2-propenoyl isocyanate, oxiranylmethyl 2-methyl-2-propenoate and 4-(phosphonoxy)butyl 2-methyl-2-propenoate, graft (9CI)  
 CN 2-Propenoic acid, 2-methyl-, 4-(phosphonoxy)butyl ester, polymer with diethenylbenzene, ethenylbenzene, methyl 2-methyl-2-propenoate, 2-methyl-2-propenoyl isocyanate, 2-methylpropyl 2-methyl-2-propenoate and oxiranylmethyl 2-methyl-2-propenoate, graft (9CI)  
 CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with diethenylbenzene, ethenylbenzene, methyl 2-methyl-2-propenoate, 2-methyl-2-propenoyl isocyanate, 2-methylpropyl 2-methyl-2-propenoate and 4-(phosphonoxy)butyl 2-methyl-2-propenoate, graft (9CI)  
 CN 2-Propenyl isocyanate, 2-methyl-, polymer with diethenylbenzene, ethenylbenzene, methyl 2-methyl-2-propenoate, 2-methylpropyl 2-methyl-2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and 4-(phosphonoxy)butyl 2-methyl-2-propenoate, graft (9CI)  
 CN Benzene, diethenyl-, polymer with ethenylbenzene, methyl 2-methyl-2-propenoate, 2-methyl-2-propenoyl isocyanate, 2-methylpropyl 2-methyl-2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and 4-(phosphonoxy)butyl 2-methyl-2-propenoate, graft (9CI)  
 CN Benzene, ethenyl-, polymer with diethenylbenzene, methyl 2-methyl-2-propenoate, 2-methyl-2-propenoyl isocyanate, 2-methylpropyl 2-methyl-2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and 4-(phosphonoxy)butyl 2-methyl-2-propenoate, graft (9CI)  
 MF (C10 H10 . C8 H15 O6 P . C8 H14 O2 . C8 H8 . C7 H10 O3 . C5 H8 O2 . C5 H5 N O2)x  
 CI PMS  
 PCT Polyacrylic, Polystyrene  
 SR CA  
 LC STN Files: CA, CAPLUS

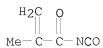
CM 1

CRN 40074-59-7  
 CMF C8 H15 O6 P



CM 2

CRN 4474-60-6  
 CMF C5 H5 N O2

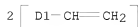


CM 3

CRN 1321-74-0

CMF C10 H10

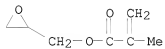
CCI IDS



CM 4

CRN 106-91-2

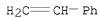
CMF C7 H10 O3



CM 5

CRN 100-42-5

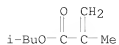
CMF C8 H8



CM 6

CRN 97-86-9

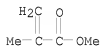
CMF C8 H14 O2





CM 7

CRN 80-62-6  
CMF C5 H8 O2

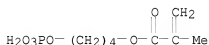


1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 5 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 212055-79-3 REGISTRY  
ED Entered STN: 01 Oct 1998  
CN 2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester, polymer with  
4-(phosphonooxy)butyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2-Propenoic acid, 2-methyl-, 4-(phosphonooxy)butyl ester, polymer with  
1,4-butanediyl bis(2-methyl-2-propenoate) (9CI)  
MF (C12 H18 O4 . C8 H15 O6 P)x  
CI PMS  
PCT Polyacrylic  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

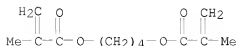
CM 1

CRN 40074-59-7  
CMF C8 H15 O6 P



CM 2

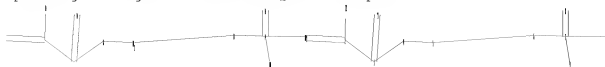
CRN 2082-81-7  
CMF C12 H18 O4



3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

Uploading C:\Program Files\STNEXP\Queries\momp.str



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

1-2 2-12 2-3 3-4 3-11 4-5 5-6 6-7 7-8 7-10 7-9

exact/norm bonds :

3-4 3-11 6-7

exact bonds :

1-2 2-12 2-3 4-5 5-6

normalized bonds :

7-8 7-10 7-9

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS

10:CLASS 11:CLASS 12:CLASS

L12 STRUCTURE UPLOADED

=> s l12 fam sam

SAMPLE SEARCH INITIATED 12:46:04 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 51 TO ITERATE

100.0% PROCESSED 51 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 592 TO 1448

PROJECTED ANSWERS: 0 TO 0

L13 0 SEA FAM SAM L12

=> s l12 fam full

FULL SEARCH INITIATED 12:46:10 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 973 TO ITERATE

100.0% PROCESSED 973 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

L14 4 SEA FAM FUL L12

=> d 1

L14 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2008 ACS on STN

RN 388570-61-4 REGISTRY

ED Entered STN: 31 Jan 2002  
 CN 2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymer with butyl  
 2-propenoate, ethenylbenzene, (phosphonooxy)methyl 2-methyl-2-propenoate  
 and 2-propenoic acid (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Acrylic acid-butyl acrylate-glycidyl methacrylate-mono-hydroxymethyl  
 methacrylate phosphate-styrene copolymer

MF (C8 H8 . C7 H12 O2 . C7 H10 O3 . C5 H9 O6 P . C3 H4 O2)x

CI PMS

PCT Polyacrylic, Polystyrene

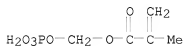
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 73310-45-9

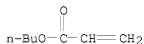
CMF C5 H9 O6 P



CM 2

CRN 141-32-2

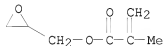
CMF C7 H12 O2



CM 3

CRN 106-91-2

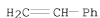
CMF C7 H10 O3



CM 4

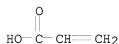
CRN 100-42-5

CMF C8 H8



CM 5

CRN 79-10-7  
CMF C3 H4 O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e acrylamideamide/cn

E1 1 ACRYLAMIDE-ZINC ACRYLATE COPOLYMER/CN  
E2 1 ACRYLAMIDE-ZIRCONIUM TETRACHLORIDE POLYMER/CN  
E3 0 --> ACRYLAMIDEAMIDE/CN  
E4 1 ACRYLAMIDINE/CN  
E5 1 ACRYLAMIDINE, 2,3,3-TRICYANO-N,N-DIMETHYL-N'-(TRIMETHYLSTANNYL)-/CN  
E6 1 ACRYLAMIDINE, 2-(P-METHOXYPHENYL)-N,N,N'-TRIMETHYL-3-PHENYL-, (?E)-/CN  
E7 1 ACRYLAMIDINE, 2-(P-METHOXYPHENYL)-N,N,N'-TRIMETHYL-3-PHENYL-, (?Z)-/CN  
E8 1 ACRYLAMIDINE, 3-P-CHLOROANILINO-2,3-DICYANO-N,N-DIMETHYL-/CN  
E9 1 ACRYLAMIDINE, HYDROCHLORIDE/CN  
E10 1 ACRYLAMIDINE, N'-BUTYL-2-(P-METHOXYPHENYL)-N,N-DIMETHYL-3-PHENYL-, (?E)-/CN  
E11 1 ACRYLAMIDINE, N'-BUTYL-2-(P-METHOXYPHENYL)-N,N-DIMETHYL-3-PHENYL-, (?Z)-/CN  
E12 1 ACRYLAMIDINE, N'-BUTYL-N,N-DIMETHYL-2,3-DIPHENYL-/CN

=> e acrylamide/cn

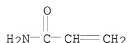
E1 1 ACRYLAMAC WR 232-3312/CN  
E2 1 ACRYLAMIDASE/CN  
E3 1 --> ACRYLAMIDE/CN  
E4 1 ACRYLAMIDE 2-ACRYLOYLOXYETHYLTRIETHYLAMMONIUM BROMIDE COPOLYMER/CN  
E5 1 ACRYLAMIDE BARIUM SALT POLYMER/CN  
E6 1 ACRYLAMIDE CONJUGATE ACID/CN  
E7 1 ACRYLAMIDE COPOLYMER WITH CELLULOSE/CN  
E8 1 ACRYLAMIDE COPOLYMER WITH N-VINYLMIDAZOLE DIMETHYL SULFATE/CN  
E9 1 ACRYLAMIDE DIMER/CN  
E10 1 ACRYLAMIDE DIMETHYLAMINOETHYL METHACRYLATE METHYL CHLORIDE QUATERNIZED SALT POLYMER/CN  
E11 1 ACRYLAMIDE DIMETHYLHYDRAZONE/CN  
E12 1 ACRYLAMIDE ETHYLENE DIACRYLATE POLYMER/CN

=> s e3

L15 1 ACRYLAMIDE/CN

=> d

L15 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 79-06-1 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 2-Propenamide (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Acrylamide (8CI)  
 OTHER NAMES:  
 CN Acrylic amide  
 CN Bio-Acrylamide 50  
 CN Ethylenecarboxamide  
 CN NSC 7785  
 CN Propenamide  
 CN Vinyl amide  
 MF C3 H5 N O  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

14502 REFERENCES IN FILE CA (1907 TO DATE)  
 3642 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 14557 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e methacrylamide/cn  
 E1 1 METHACRYLALDEHYDE-STYRENE POLYMER/CN  
 E2 1 METHACRYLALDEHYDE-VINYLDENE CYANIDE COPOLYMER/CN  
 E3 1 --> METHACRYLAMIDE/CN  
 E4 1 METHACRYLAMIDE HOMOPOLYMER/CN  
 E5 1 METHACRYLAMIDE HYDROCHLORIDE/CN  
 E6 1 METHACRYLAMIDE POLYMER/CN  
 E7 1 METHACRYLAMIDE RADICAL ION(1-)/CN  
 E8 2 METHACRYLAMIDE SULFATE/CN  
 E9 1 METHACRYLAMIDE, MONOPOTASSIUM SALT/CN  
 E10 1 METHACRYLAMIDE, N,N',N''-(S-TRIAZINE-2,4,6-TRYLTRIIMINO) TRI S-/CN  
 E11 1 METHACRYLAMIDE, N,N'-(M-PHENYLENEDIMETHYLENE) BIS-/CN  
 E12 1 METHACRYLAMIDE, N,N'-(P-PHENYLENEDIMETHYLENE) BIS-/CN  
 => s e3  
 L16 1 METHACRYLAMIDE/CN

=> d

L16 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 79-39-0 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 2-Propenamide, 2-methyl- (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Methacrylamide (8CI)  
 OTHER NAMES:  
 CN 2-Methyl-2-propenamide  
 CN 2-Methylacrylamide  
 CN 2-Methylpropenamide  
 CN Methacrylic acid amide  
 CN Methacrylic amide  
 CN NSC 23772  
 CN NSC 24147  
 MF C4 H7 N O  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM\*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL, USPATOLD  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

